

4425 Manchester Road Kalamazoo, MI 49001

Phone 269 381-9666

Fax 269 381-9698

www.karlabs.com

ARCADIS of New York, Inc. 30 W. Monroe St., Ste. 1710 Chicago, IL 60603

Attn: Mr. Eric Hritsuk

KAR Project No. :

093740

Date Reported:

09/24/09

Date Activated:

09/23/09

Date Due:

09/24/09

Date Validated:

09/24/09

Project

Description: Analysis of one wipe sample from Plainwell Dam

(#B0064536.0001).

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 093740. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema

Laboratory Manager

LABORATORY DETAIL REPORT

KAR Project No.: 093740

09/23/09

Date Reported : 09/24/09

Client: ARCADIS of New York, Inc.

Project

Desc.: Analysis of one wipe sample from Plainwell Dam (#B0064536.0001).

Sample ID: "092309-Vac Truck-Carbon"

Sampled By: MR of ARCADIS of New York, Inc.

Date Received:

 Sample Date: 09/23/09
 Sample Type:
 wipe

 Sample Time: 1330
 KAR Sample No.:
 093740-01

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3550	09/23/09	KTL	and the second s
PCB	See below		EPA 8082	09/24/09	GMB	- Commence - Management - Commence - Management - Management - Commence - Management - Commence - C
PCB Aroclor 1016	<0.1	ug/100 sq. cm.	EPA 8082	09/24/09	GMB	
PCB Aroclor 1221	<0.1	ug/100 sg. cm.	EPA 8082	09/24/09	GMB	
PCB Aroclor 1232	<0.1	ug/100 sq. cm.	EPA 8082	09/24/09	GMB	
PCB Aroclor 1242	<0.1	ug/100 sq. cm.	EPA 8082	09/24/09	GMB	, one exployer proprogramme and opposition of the control of the c
PCB Aroclor 1248	<0.1	ug/100 sq. cm.	EPA 8082	09/24/09	GMB	anteriorgica e consequence proportion de la companya de la companya de la companya de la companya de la company
PCB Aroclor 1254	<0.1	ug/100 sq. cm.	EPA 8082	09/24/09	GMB	g, y cogygynna an angarann ar ann an ann ann ann ann ann ann
PCB Aroclor 1260	<0.1	ug/100 sq. cm.	EPA 8082	09/24/09	GMB	annessed to a single-property construction of the comments of the complete state of the comments of the commen
PCB Aroclors, total	NA		EPA 8082	09/24/09	GMB	The section of the property of the property of the section of the
DCB (pest/PCB surr spk)	103	% spike recovery	EPA 8082	09/24/09	GMB	and the first of the foreign of the first first for the standard management of the standard management
TCMX (surr spk)	90	% spike recovery	EPA 8082	09/24/09	GMB	

Sample ID : <u>Laboratory Method Blank</u>

Sampled By:

Sample Date:

Sample Type:

LMB

Sample Time:

KAR Sample No.:

09/23/09

LMB

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3550	09/23/09	KTL	nagarage part parter an neu para en la cristia (1 / 2 / 4 / 2 / 2 / 4 / 2 / 2 / 2 / 2 / 2
PCB	See below		EPA 8082	09/24/09	GMB	
PCB Aroclor 1016	<0.1	ug/wipe	EPA 8082	09/24/09	GMB	ne paper, in compression, which and a proposition on the proposition of the contract of the co
PCB Aroclor 1221	<0.1	ug/wipe	EPA 8082	09/24/09	GMB	g . Trago, ka, maximormani gangina, iyo iya sabir isimo rekesisima is kewi
PCB Aroclor 1232	<0.1	ug/wipe	EPA 8082	09/24/09	GMB	
PCB Aroclor 1242	<0.1	ug/wipe	EPA 8082	09/24/09	GMB	
PCB Aroclor 1248	<0.1	ug/wipe	EPA 8082	09/24/09	GMB	
PCB Aroclor 1254	<0.1	ug/wipe	EPA 8082	09/24/09	GMB	
PCB Aroclor 1260	<0.1	ug/wipe	EPA 8082	09/24/09	GMB	
PCB Aroclors, total	NA		EPA 8082	09/24/09	GMB	
DCB (pest/PCB surr spk)	101	% spike recovery	EPA 8082	09/24/09	GMB	
TCMX (surr spk)	86	% spike recovery	EPA 8082	09/24/09	GMB	

KAR Laboratories, Inc.

(269) 381-9666 Laboratory Detail Report Page 1 of 1



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ARCADIS of New York, Inc. 30 W. Monroe St., Ste. 1710 Chicago, IL 60603

Attn : *Mr. Eric Hritsuk*

KAR Project No. : 093740

Date Reported : 09/24/09

Date Activated : 09/23/09

Date Due : 09/24/09

Date Validated: 09/24/09

Project

Description: Analysis of one wipe sample from Plainwell Dam

(#B0064536.0001).

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 093740. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema Laboratory Manager

KAR Project No.: 093740

Date Reported: 09/24/09

Client: ARCADIS of New York, Inc.

Project Description: Analysis of one wipe sample from Plainwell Dam (#B0064536.0001).

Sample ID : "092309-Vac Truck-Carbon"

Sampled By: MR of ARCADIS of New York, Inc. Date Sampled: 09/23/09 Sample Type: wipe

Date Received: 09/23/09 Time Sampled: 1330 Sample No.: 093740-01

Date neceived. U	3/23/03	and the second s	ie Sample	u . 1331	<i>}</i> 	Sample No U33/40-01						
Test	Result	Spike MS Level %Re	MSD RPD c. %Rec.	Dup. #1	Dup. #2	RPD	QC L Rec. Rang		Method	Analyzed On By	QC Batch	Comments
DCB (pest/PCB surr spk)	103 % spike recovery	4		ĺ			25-122	NA	EPA 8082	09/24/09 GMB		
PCB	See below	1					1		EPA 8082	09/24/09 GMB		
PCB Aroclor 1016	<0.1 ug/100 sq. cm.	93.3	% 70.9 % 27.4 %			T. PRE TORRES STEELS AND ADDRESS OF THE PERSON	29-135	25	EPA 8082	09/24/09 GMB	1	
PCB Aroclor 1221	<0.1 ug/100 sq. cm.							*****	EPA 8082	09/24/09 GMB	·	
PCB Aroclor 1232	<0.1 ug/100 sq. cm.	1	California (Malarita e Alifornia) esta esta esta esta esta esta esta esta]	CONTRACTOR PROPERTY.	No. or year Proposition of the State		*****************	EPA 8082	09/24/09 GMB		MEDICAL PROPERTY OF A CONTROL OF THE SECOND
PCB Aroclor 1242	<0.1 ug/100 sq. cm.					To the control of the	24-133	51	EPA 8082	09/24/09 GMB		
PCB Aroclor 1248	<0.1 ug/100 sq. cm.						57-116	46	EPA 8082	09/24/09 GMB		
PCB Aroclor 1254	<0.1 ug/100 sq. cm.		COMPANIES INCOME A SECURIO	1				42	EPA 8082	09/24/09 GMB		
PCB Aroclor 1260	<0.1 ug/100 sq. cm.	97,4	% 71.9 % 30.1 %				29-135	25	EPA 8082	09/24/09 GMB		
PCB Aroclors, total	NA		The second second control of the second cont		eria Peritakan mengenangan sa		27-155	15	EPA 8082	09/24/09 GMB		
Prep, ECD	Completed		THE RESIDENCE AND RESIDENCE AND PARTY AND RESIDENCE AS PROPERTIES AND ADDRESS OF PARTY AND ADDRESS.			**************************************	1		EPA 3550	09/23/09 KTL		
TCMX (surr spk)	90 % spike recovery					*****	22-95	NA NA	EPA 8082	09/24/09 GMB		

KAR Project No.: 093740

Date Reported : 09/24/09

Client: ARCADIS of New York, Inc.

Project Description: Analysis of one wipe sample from Plainwell Dam (#B0064536.0001).

Sample ID : <u>Laboratory Method Blank</u>

Sampled By: Date Sampled: Sample Type: LMB

Date Received: 09/23/09 Time Sampled: Sample No.: 093740-02

Date neceived: 0:	nime Sampled :									Sample No. : 093740-02				
Test	Result	Spike Level	MS %Rec.		RPD	Dup. #1	Dup. #2	RPD	QC L Rec. Ran	imits ge RPD	Method	Analyzed On By	QC Batch	Comments
DCB (pest/PCB surr spk)	101 % spike recovery	and the second							25-121	NA	EPA 8082	09/24/09 GMB		El Maria e del Maria de del Maria de del professor con a comerción de la confesión de contractor en extracor en encomentamente en extracor en encomentamente encomentamente en encomentamentamente en encomentamente en encomentamente en encomentamente en encomentamentamente en encomentamente en encomentamentamente en encomentamentamentamentamentamentamentamenta
PCB	See below							M. C According to Markey and according			EPA 8082	09/24/09 GMB	(
PCB Arocior 1016	<0.1 ug/wipe	-		CAPT AND MARK THE COURT OF			- 22 F. C. C. BROWNSON	The second secon	29-135	25	EPA 8082	09/24/09 GMB	i	
PCB Aroclor 1221	<0.1 ug/wipe	-							1		EPA 8082	09/24/09 GMB		THE RESERVE OF THE PROPERTY OF
PCB Aroclor 1232	<0.1 ug/wipe	-	MANUFACTURE CONTRACTOR	the state of the s			THE R. LEWIS CO., LANSING MICH.	W. CHURCHSON CO.	The second second second		EPA 8082	09/24/09 GMB		14-4 / 100 MANUFACTOR (A to the set of the s
PCB Aroclor 1242	<0.1 ug/wipe	-		· · · · · · · · · · · · · · · · · · ·		Michigan Rabat Inc.			12-113	5	EPA 8082	09/24/09 GMB		
PCB Aroclor 1248	<0.1 ug/wipe	-						AT 817 A ALBERT & SAN AL.	57-74	6	EPA 8082	09/24/09 GMB		
PCB Aroclor 1254	<0.1 ug/wipe	-		THE RESERVE AND ADDRESS OF THE PARTY OF THE				*******		10	EPA 8082	09/24/09 GMB		THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE ABOVE AND ADDRESS OF THE PROPERTY OF THE P
PCB Aroclor 1260	<0.1 ug/wipe			Manual At (1770ana)	~				29-135	25	EPA 8082	09/24/09 GMB	T	PROPERTY MODEL CONT. V ARTONIO MINISTER PORT. CONT. CO
PCB Aroclors, total	NA	-		************	[U II vito teliforaminino munici personagina		· · · · · · · · · · · · · · · · · · ·	16-128		EPA 8082	09/24/09 GMB		PERFORMANCE CONTROL CONTROL ON THE CONTROL CON
Prep, ECD	Completed	·				CONTRACTOR CONTRACTOR CONTRACTOR CO	(F-10-1000M-1-1000M-1-1000M-1-1-1000M-1-1-1000M-1-1-1000M-1-1-1000M-1-1-1000M-1-1-1000M-1-1-1000M-1-1-1000M-1-				EPA 3550	09/23/09 KTL		
TCMX (surr spk)	86 % spike recovery	1	TOTAL COMMITTEE STATE OF THE ST	Ale in the committee of the company processor,		Marketta secretaria artica de estada a			23-100	NA	EPA 8082	09/24/09 GMB	THE RESERVE THE REAL PROPERTY AND ADMINISTRATION OF THE REAL PROPERTY OF	THE PARTY OF THE P

BATCH QC REPORT

Printed: 03:16:09 PM, 09/24/09

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LII Rec. Range	MITS RPD	Sample No.
PCB Aroclor 1016 PCB Aroclor 1260	090923PW8 090923PW8	09/24/09 09/24/09	0	0.5 0.5	0.4667 0.4868	93.3 % 97.4 %		70.9 % 71.9 %	27.4 % 30.1 %				29-135 29-135	25 25	093740-01 093740-01

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

KAR Laboratories, Inc.

(269) 381-9666 QC Batch Report Page 1 of 1

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11	a: ARCADIS W. Monroß Swite 17			Plain	مللاه	#27	CRA								Proj#: 693740
		rio -		Project#											Login: HES
Attn	licago, IL 60683			B0064	536.0	001.00	100X								Date: 9/23/09 c-of-c Y N
11	Eric Haitsuk			P.O. #							1				labels (Y) N
Phor	1e: (312 332-49 3 Fax: ()	}	Sampled by:		Initials									LODs N
Cell	:() X24 Email: 4	eric.hrits	FI KAR Z Client MR.											headspace V N	
Turn	around Time:	arcacus- 4	s. eom			7-11		PCB	1						amount N N N N N
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11	3-business days (x 2.0) Monthly	y y	Cold:	Ŷ N	Intact:	N		इ							
			Sample Info		Sample	Containers		botal							
#	Sample Identification	Date	Time	Matrix	Туре	Size	#								Remarks
	092309-Vac Truck-Co	don 09-2	3.09 137	o Wipe	Wip	e	/	X							
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4425 Manchester Road Kalamazoo, MI 49001 Phone 269 381-9666

> Fax 269 381-9698 www.kadabs.com

ARCADIS of New York, Inc. 10 S. Riverside, Suite 1900 Chicago, IL 60606

Attn: Mr. Eric Hritsuk

KAR Project No. : 102476

Date Reported : 07/06/10

Date Activated : 06/24/10

Date Due : 07/09/10
Date Validated : 07/02/10

Project

Description: Analysis of one wipe sample from Plainwell Dam

(#B0064536.0001.00002).

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received. If a sample was identified as drinking water under the Safe Drinking Water Act, the "Comments" column may also contain federal drinking water information including MCL which is the Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

If you wish to contact us about this work please mention KAR Project No. 102476. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema Laboratory Manager

LABORATORY DETAIL REPORT

Client: ARCADIS of New York, Inc.

KAR Project No.: 102476

Date Reported : 07/06/10

Attest:

David R. Alkema, Lab Manage

Project

Description: Analysis of one wipe sample from Plainwell Dam (#B0064536.0001.00002).

Sample ID : "VT-322"

Sampled By: MK of ARCADIS of New York, Inc.

Date Received: 06/24/10

Sample Date: 06/22/10

Sample Type: wipe

Sample Time: 0800

KAR Sample No.: 102476-01

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3580	06/29/10	GMB	
PCB	See below		EPA 8082	06/29/10	GMB	
PCB Aroclor 1016	<0.1	ug/100 sq. cm.	EPA 8082	06/29/10	GMB	
PCB Aroclor 1221	<0.1	ug/100 sq. cm.	EPA 8082	06/29/10	GMB	
PCB Aroclor 1232	<0.1	ug/100 sq. cm.	EPA 8082	06/29/10	GMB	
PCB Aroclor 1242	<0.1	ug/100 sq. cm.	EPA 8082	06/29/10	GMB	
PCB Aroclor 1248	<0.1	ug/100 sq. cm.	EPA 8082	06/29/10	GMB	
PCB Aroclor 1254	<0.1	ug/100 sq. cm.	EPA 8082	06/29/10	GMB	
PCB Aroclor 1260	<0.1	ug/100 sq. cm.	EPA 8082	06/29/10	GMB	
PCB Aroclors, total	NA		EPA 8082	06/29/10	GMB	
DCB (pest/PCB surr spk)	78	% spike recovery	EPA 8082	06/29/10	GMB	
TCMX (surr spk)	78	% spike recovery	EPA 8082	06/29/10	GMB	

Sample ID : <u>Laboratory Method Blank</u>

Sampled By:Date Received:06/24/10Sample Date:Sample Type:LMBSample Time:KAR Sample No.:102476-02

Test	Result	Units of Measure	Method	!	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3580		06/29/10	GMB	} !
PCB	See below		EPA 8082		06/29/10	GMB	
PCB Aroclor 1016	<0.1	ug/100 sq. cm.	EPA 8082		06/29/10	GMB	
PCB Aroclor 1221	<0.1	ug/100 sq. cm.	EPA 8082	:	06/29/10	GMB	
PCB Aroclor 1232	<0.1	ug/100 sq. cm.	EPA 8082		06/29/10	GMB	
PCB Aroclor 1242	<0.1	ug/100 sq. cm.	EPA 8082		06/29/10	GMB	[
PCB Aroclor 1248	<0.1	ug/100 sq. cm.	EPA 8082	!	06/29/10	GMB	
PCB Aroclor 1254	<0.1	ug/100 sq. cm.	EPA 8082		06/29/10	GMB	
PCB Aroclor 1260	<0.1	ug/100 sq. cm.	EPA 8082	İ.	06/29/10	GMB	
PCB Aroclors, total	NA		EPA 8082		06/29/10	GMB	·
DCB (pest/PCB surr spk)	85	% spike recovery	EPA 8082	!	06/29/10	GMB	
TCMX (surr spk)	87	% spike recovery	EPA 8082		06/29/10	GMB	



4425 Manchester Road Kalamazoo, MI 49001 Phone 269 381-9666 Fax 269 381-9698

www.karlabs.com

ARCADIS of New York, Inc. 10 S. Riverside, Suite 1900 Chicago. IL 60606

-

Attn: Mr. Eric Hritsuk

Date Activated : Date Due :

KAR Project No.:

Date Reported:

06/24/10 07/09/10

102476

07/06/10

Date Validated: 0

07/02/10

Project

Description: Analysis of one wipe sample from Plainwell Dam

(#B0064536.0001.00002).

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 102476. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received. If a sample was identified as drinking water under the Safe Drinking Water Act, the "Comments" column may also contain federal drinking water information including MCL which is the Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

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I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema Laboratory Manager

Client: ARCADIS of New York, Inc.

Attest: Vacid R. Delua

KAR Project No.: 102476

Date Reported :

07/06/10

Project Description: Analysis of one wipe sample from Plainwell Dam (#B0064536.0001.00002).

Sample ID : "VT-322"

Sampled By: MK of ARCADIS of New York, Inc. Date Sampled: 06/22/10 Sample Type: wipe

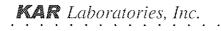
	Sample No.: 102476-01
Method Analyzed On By	QC Comments Batch
EPA 8082 06/29/10 GM8	
EPA 8082 06/29/10 GMB	
EPA 8082 06/29/10 GMB 19	100629PW8
EPA 8082 06/29/10 GMB	;
EPA 8082 06/29/10 GMB	
EPA 8082 06/29/10 GMB 1	100629PW8 :
EPA 8082 06/29/10 GMB	
EPA 3580 06/29/10 GMB	
EPA 8082 06/29/10 GMB	
	PA 8082 06/29/10 GMB EPA 8082 06/29/10 GMB

BATCH QC REPORT

Printed: 02:27:56 PM, 07/06/10

Test	QC Batch	Date	Conc. (Driginal)	Spike Conc.		Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIN Rec. Range	MITS RPD	Sample No.
PCB Aroclor 1016 PCB Aroclor 1260	100629PW8 100629PW8	06/29/10 06/29/10		0 0	0.5 0.5	0.4361 0.4876	87.2 ° 97.5 °		83.7 % 97.6 %	4.2 % 0.1 %				29-135 29-135	25 25	102476-01 102476-01

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.





CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID:	092409.1	

Contact & Company Name:	relephone.	Preservative F		KEYS
Eric Hritsuk	312-575-3732	Filtered (*)		Preservation Key: Container Information Key:
Address:	Fax:	≓of Containers 1		A. H ₂ SO ₄ 1. 40 mL VOA
10 S. Riverside Plaza	312-775-9322	Cantainer 7		- B. HCL 2. 1 L Amber C. NaOH 3. 125 mL Plastic
City State Zip	E-mail Address:		ANALYSIS & METHOD	D. HNO ₃ 4. 250 mL Plastic E. None 5. 500 mL Plastic
ഗ് Chicago IL, 60606	enc hrasuk@arcadis-us com			F.Hexane 6. 1 L. Plastic
Project Name/Location (City, State):	Project#:			G. 7. 2 oz. Gless H. 8. 4 oz. Gless
Plainwell Dam No. 2 Area TCRA Mi	B0064536,0001,00002			9, 8 Oz. Glass
Sampler's Printed Name:	Sampler's Signature:]		10. Matrix Key:
Michael Kohagen	mille			SE = Sediment
	Collection Type			
Sample ID	Date Time Comp Grab	PCB		REMARKS
VT-322	6/22/10 0800 X Wipe	<u> </u>		
Special Instructions/Comments:			□Special QA/QC Instructions (✓)	
opecial his ductions/confinents.				
Laboratory Information and Receipt	Relinqui Cooler Custody Seal Printed N		Received By Printed Name:	Laboratory Received By Printed Name:
Lab Name:			r range (400)c.	Sercet Inch
KAR	Michelle P. Netherdt Separatur		Signature:	Signature:
☑ Cooler packed with ice (✓)	□ Intact □ Not Intact Signatur		Signature.	Sarvett Ervin Signature: Harrett Erri
Specify Turnaround Requirements:	Sample Receipt: Firm: AR	RCADIS/	Firm:	Firm:
Standard ,		7 /		1 KH(C
Fed-Ex Tracking #:	Condition/Copler Temp: Date/Tim		Date/Time:	Date/Time:
0	6/23/201	0/1352		6/24/10 1355

Page 1 of 8 MED



4425 Manchester Road Kalamazoo, MI 49001 Phone 269 381-9666 Fax 269 381-9698

www.karlabs.com

ARCADIS of New York, Inc. 10 S. Riverside, Suite 1900 Chicago, IL 60606

 KAR Project No. :
 102238

 Date Reported :
 06/10/10

 Date Activated :
 06/09/10

 Date Due :
 06/10/10

 Date Validated :
 06/10/10

Attn: Mr. Eric Hritsuk

Project

Description: Analysis of one wipe sample from Plainwell Dam

(#B0064536.0001.00002).

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received. If a sample was identified as drinking water under the Safe Drinking Water Act, the "Comments" column may also contain federal drinking water information including MCL which is the Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

If you wish to contact us about this work please mention KAR Project No. 102238. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema Laboratory Manager

LABORATORY DETAIL REPORT

Client: ARCADIS of New York, Inc.

KAR Project No.: 102238

Date Reported:

06/10/10

06/09/10

wipe

David R. Alkema, Lab Manager

Project

Description: Analysis of one wipe sample from Plainwell Dam (#B0064536.0001.00002).

Sample ID: "VT-42"

Sampled By: MK of ARCADIS of New York, Inc.

Date Received: Sample Date: 06/09/10 Sample Type:

Sample Time: 1555 KAR Sample No.: 102238-01

Test Result **Units of Measure** Method Analyzed Analyst Comments Prep. ECD Completed EPA 3580 06/10/10 **GMB PCB** See below EPA 8082 06/10/10 **GMB** EPA 8082 06/10/10 **GMB** PCB Aroclor 1016 < 0.1 ug/100 sq. cm. 06/10/10 **GMB** < 0.1 ug/100 sq. cm. EPA 8082 PCB Aroclor 1221 06/10/10 **GMB** < 0.1 ug/100 sq. cm. EPA 8082 PCB Aroclor 1232 EPA 8082 06/10/10 **GMB** PCB Aroclor 1242 < 0.1 ug/100 sq. cm. EPA 8082 06/10/10 **GMB** < 0.1 ug/100 sq. cm. PCB Aroclor 1248 EPA 8082 06/10/10 **GMB** < 0.1 ug/100 sq. cm. PCB Aroclor 1254 06/10/10 **GMB** < 0.1 ug/100 sq. cm. EPA 8082 PCB Aroclor 1260 06/10/10 **GMB** PCB Aroclors, total NA EPA 8082 06/10/10 **GMB** DCB (pest/PCB surr spk) 73 % spike recovery EPA 8082 80 EPA 8082 06/10/10 **GMB** % spike recovery TCMX (surr spk)



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ARCADIS of New York, Inc. 10 S. Riverside, Suite 1900 Chicago, IL 60606

Attn: Mr. Eric Hritsuk

Date Reported : Date Activated :

KAR Project No.:

102238 06/10/10

06/09/10

Date Due:

06/10/10

Date Validated:

06/10/10

Project

Description: Analysis of one wipe sample from Plainwell Dam

(#B0064536.0001.00002).

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 102238. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received. If a sample was identified as drinking water under the Safe Drinking Water Act, the "Comments" column may also contain federal drinking water information including MCL which is the Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema Laboratory Manager

Client: ARCADIS of New York, Inc.

KAR Project No.:

102238

Attest: Warid R. Deluna

Date Reported :

06/10/10

David R. Alkema, Lab Manager

Project Description: Analysis of one wipe sample from Plainwell Dam (#B0064536.0001.00002).

Sample ID : "V"

Sampled By:

<u>"VT-42"</u>

MK of ARCADIS of New York, Inc.

Date Sampled : 06/09/10

Sample Type :

wipe

Date Received: 0	6/09/10	Т	ime Sampl	ed : 155	5					Samp	le No. : 102238-01
Test	Result	Spike MS MSD Ri Level %Rec. %Rec.	D Dup.	Dup. #2	RPD	QC L Rec. Rang		Method	Analyzed On By	QC Batch	Comments
DCB (pest/PCB surr spk)	73 % spike recovery					25-122	NA	EPA 8082	06/10/10 GMB		
PCB	See below							EPA 8082	06/10/10 GMB		
PCB Aroclor 1016	<0.1 ug/100 sq. cm.					29-135	25	EPA 8082	06/10/10 GMB		
PCB Aroclor 1221	<0.1 ug/100 sq. cm.							EPA 8082	06/10/10 GMB		
PCB Aroclor 1232	<0.1 ug/100 sq. cm.							EPA 8082	06/10/10 GMB		
PCB Aroclor 1242	<0.1 ug/100 sq. cm.					24-133	51	EPA 8082	06/10/10 GMB		
PCB Aroclor 1248	<0.1 ug/100 sq. cm.					57-116	46	EPA 8082	06/10/10 GMB		
PCB Aroclor 1254	<0.1 ug/100 sq. cm.						42	EPA 8082	06/10/10 GMB		
PCB Aroclor 1260	<0.1 ug/100 sq. cm.					29-135	25	EPA 8082	06/10/10 GMB		
PCB Aroclors, total	NA					27-155	15	EPA 8082	06/10/10 GMB		
Prep. ECD	Completed							EPA 3580	06/10/10 GMB		
TCMX (surr spk)	80 % spike recovery					22-95	NA	EPA 8082	06/10/10 GMB		

BATCH QC REPORT

Printed: 08:36:46 AM, 06/11/10

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIM Rec. Range	MITS RPD	Sample No.
PCB Aroclor 1016	100525PW8	05/25/10	0	0.5	0.3972	79.4 %	6 0.3883	77.7 %	2.3 %				29-135	25	101996-01
PCB Aroclor 1260	100525PW8	05/25/10	0	0.5	0.395	79.0 %	6 0.4095	81.9 %	3.6 %				29-135	25	101996-01

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.



QC Batch Report

Page 1 of 1

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Contact & Company Name:	Telephone:	-				Preservative	6					T		H 100 중요한 100 100 100 100 100 100 100 100 100 10	ŒYS	
Eric Hritsuk Address: 10 S. Riverside Plaza, Suite 1900	312-575-3	3732				Filtered (<)								Preservation Key:	Containe	r Information Key:
Address:	Fax:					# of Containers	1							A. H ₂ SO ₄	1. 40 mL	
10 S. Riverside Plaza, Suite 1900	312-775-9	9322				Container	10							B. HCL C. NaOH	2.1 L Am 3. 125 m	
City State Zip	E-mail Add	ress:				A BOTTIME OF		PARA	METER	ANALYS	IS & M	ETHOD		D. HNO ₃	4. 250 m 5. 500 n	
Chicago, IL 60606	eric.hritsuk@	Darcadis-	-us.com					T		T		T		E. None F. Methanol	6. 1 L Pla	istic
Project Name/Location (City, State):	Project #:			***************************************						1				G. Herane	7. 2 oz. 0 8. 4 oz. 0	
Plainwell Dam No. 2 TCRA	B006453	6.0001.	0000												9.8 oz. G	ilass
Sampler's Printed Name: Mike Kohagen	Sampler's	Signature			_		CBs							Matrix Key: SE = Sediment A = Air SO = Soil NL = N		SL = Sludge SW = Surface
Sample ID	Collec		Comp	pe Grab	Matrix		Total PCBs							REMARKS		
VT-42	6/9/10	155		Х	SW		X									
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Special Instructions/Comments:										Пэресі	ai QA/Q() IIIstructio	ons (*)			
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Lab Name:	Cooler Cu	stody Se	al		Printed N		/	1		Printed Na	me:			Printed Name:	* *	
KAR					MICH	ARL L	HAGE					KRIETE		Garrett +	EVIV	\sim
☑ Cooler packed with ice (✓)	□ Intact		□ Not	Intact	Signature	1	1	-	_	Signature	0	a KE	_	Signature & Eru	~	
Specify Turnaround Requirements:	Sample Re	eceipt:			-		/			Firm:	11			Firm:		
RUSH - 24 Hr. Turn					ARCADIS	;					ACCAI	0,5		KAK		
Fed-Ex Tracking #:	Condition/	Cooler T	emp:		Date/Tim	1	1600)		Date/Time	9/0	1600		Date/Time:	635	>



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Fax 269 381-9698

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ARCADIS of New York, Inc. 10 S. Riverside, Suite 1900

Chicago, IL 60606

Attn: Mr. Eric Hritsuk

KAR Project No.: 101996

05/25/10 **Date Reported:**

Date Activated: 05/25/10 05/25/10 Date Due:

05/25/10 Date Validated:

Project

Description: Analysis of one wipe sample from Plainwell Dam

(#B0064536.0001.00002).

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received. If a sample was identified as drinking water under the Safe Drinking Water Act, the "Comments" column may also contain federal drinking water information including MCL which is the Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic guality.

If you wish to contact us about this work please mention KAR Project No. 101996. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema

Laboratory Manager

LABORATORY DETAIL REPORT

Client: ARCADIS of New York, Inc.

KAR Project No.: 101996

Date Reported:

05/25/10

Attest: Vacid R. Ulk

David R. Alkema, Lab Manager

Project

Description: Analysis of one wipe sample from Plainwell Dam (#B0064536.0001.00002).

Sample ID: "V

<u>"VT-63"</u>

Sampled By: MK of ARCADIS of New York, Inc.

MK of AHCADIS of New York, Inc.

Sample Date : *05/24/10* Sample Time : *1730*

Date Received :

05/25/10

Sample Type :

wipe

KAR Sample No.:

101996-01

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3580	05/25/10	GMB	
PCB	See below		EPA 8082	05/25/10	GMB	
PCB Aroclor 1016	<0.1	ug/100 sq. cm.	EPA 8082	05/25/10	GMB	
PCB Aroclor 1221	<0.1	ug/100 sq. cm.	EPA 8082	05/25/10	GMB	
PCB Aroclor 1232	<0.1	ug/100 sq. cm.	EPA 8082	05/25/10	GMB	
PCB Aroclor 1242	<0.1	ug/100 sq. cm.	EPA 8082	05/25/10	GMB	
PCB Aroclor 1248	0.2	ug/100 sq. cm.	EPA 8082	05/25/10	GMB	
PCB Aroclor 1254	<0.1	ug/100 sq. cm.	EPA 8082	05/25/10	GMB	
PCB Aroclor 1260	<0.1	ug/100 sq. cm.	EPA 8082	05/25/10	GMB	
PCB Aroclors, total	0.2	ug/100 sq. cm.	EPA 8082	05/25/10	GMB	
DCB (pest/PCB surr spk)	67	% spike recovery	EPA 8082	05/25/10	GMB	
TCMX (surr spk)	74	% spike recovery	EPA 8082	05/25/10	GMB	

Sample ID: Laboratory Method Blank

Sampled By:

Sample Date : Sample Time :

Date Received :

05/25/10

Sample Type :

LMB

KAR Sample No.:

101996-02

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3580	05/25/10	GMB	
PCB	See below		EPA 8082	05/25/10	GMB	
PCB Aroclor 1016	<0.1	ug/100 sq. cm.	EPA 8082	05/25/10	GMB	
PCB Aroclor 1221	<0.1	ug/100 sq. cm.	EPA 8082	05/25/10	GMB	
PCB Aroclor 1232	<0.1	ug/100 sq. cm.	EPA 8082	05/25/10	GMB	
PCB Aroclor 1242	<0.1	ug/100 sq. cm.	EPA 8082	05/25/10	GMB	
PCB Aroclor 1248	<0.1	ug/100 sq. cm.	EPA 8082	05/25/10	GMB	
PCB Aroclor 1254	<0.1	ug/100 sq. cm.	EPA 8082	05/25/10	GMB	
PCB Aroclor 1260	<0.1	ug/100 sq. cm.	EPA 8082	05/25/10	GMB	
PCB Aroclors, total	NA		EPA 8082	05/25/10	GMB	
DCB (pest/PCB surr spk)	75	% spike recovery	EPA 8082	05/25/10	GMB	
TCMX (surr spk)	78	% spike recovery	EPA 8082	05/25/10	GMB	



4425 Manchester Road Kalamazoo, MI 49001 Phone 269 381-9666

> Fax 269 381-9698 www.karlabs.com

ARCADIS of New York, Inc. 10 S. Riverside, Suite 1900 Chicago, IL 60606

Date Reported : Date Activated :

Attn: Mr. Eric Hritsuk Date Validated: 05/25/10

KAR Project No.:

Date Due:

101996

05/25/10

05/25/10

05/25/10

Project

Description: Analysis of one wipe sample from Plainwell Dam

(#B0064536.0001.00002).

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 101996. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received. If a sample was identified as drinking water under the Safe Drinking Water Act, the "Comments" column may also contain federal drinking water information including MCL which is the Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

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I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema Laboratory Manager

Client: ARCADIS of New York, Inc.

KAR Project No.:

101996

Date Reported:

05/25/10

Attest: David R. Alkema, Lab Manager

Project Description: Analysis of one wipe sample from Plainwell Dam (#B0064536.0001.00002).

Sample ID: "VT-63"

MK of ARCADIS of New York, Inc. Sampled By:

Date Sampled: 05/24/10

Sample Type :

wipe

Date Received: 0	5/25/10				Time	Sample	d: 173	0						Sam	iple No. :	101996-01
Test	Result	Spike Level	MS %Rec. %		RPD.	Dup. #1	Dup. #2	RPD	QC L Rec. Ran	imits ge RPD	Method	Analyz On	ed By	QC Batch		Comments
DCB (pest/PCB surr spk)	67 % spike recovery								25-122	NA	EPA 8082	05/25/10	GMB			
PCB	See below										EPA 8082	05/25/10	GMB			
PCB Aroclor 1016	<0.1 ug/100 sq. cm.		79.4 %	77.7 %	2.3 %				29-135	25	EPA 8082	05/25/10	GMB			
PCB Aroclor 1221	<0.1 ug/100 sq. cm.										EPA 8082	05/25/10	GMB			
PCB Aroclor 1232	<0.1 ug/100 sq. cm.										EPA 8082	05/25/10	GMB			
PCB Aroclor 1242	<0.1 ug/100 sq. cm.								24-133	51	EPA 8082	05/25/10	GMB			
PCB Aroclor 1248	0.2 ug/100 sq. cm.								57-116	46	EPA 8082	05/25/10	GMB			
PCB Aroclor 1254	<0.1 ug/100 sq. cm.									42	EPA 8082	05/25/10	GMB			
PCB Aroclor 1260	<0.1 ug/100 sq. cm.		79.0 %	31.9 %	3.6 %				29-135	25	EPA 8082	05/25/10	GMB			
PCB Aroclors, total	0.2 ug/100 sq. cm.								27-155	15	EPA 8082	05/25/10	GMB			
Prep, ECD	Completed										EPA 3580	05/25/10	GMB			
TCMX (surr spk)	74 % spike recovery								22-95	NA	EPA 8082	05/25/10	GMB			

BATCH QC REPORT

Printed: 03:11:42 PM, 05/25/10

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIN Rec. Range	MITS RPD	Sample No.
PCB Aroclor 1016	100525PW8	05/25/10	0	0.	0.3972	79.4 %	6 0.3883	77.7 %	2.3 %				29-135	25	101996-01
PCB Aroclor 1260	100525PW8	05/25/10	0	0.	0.395	79.0 %	6 0.4095	81.9 %	3.6 %				29-135	25	101996-01

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CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID:	092409.1	

	Contact & Company Name:	Telephone) :				Preservative	F								KEYS				
P	Eric Hritsuk	312-332	-4 9 37				Filtered (*)						T	T	Preservation Key:	Containe	er Information Key:			
욁	Address:	Fax:					# of Centainers	1			<u></u>			.i	A. H ₂ SO ₄	1. 40 mL				
Res	30 W Monroe St	312-332	-4434				Conteiner infermation	7			***************************************				B. HCL C. NaOH	2. 1 L An 3. 125 n	nber nL Plastic			
밁	30 W Monroe St City State Zip	E-mail Ad	dress:						PARA	METER	ANALYS	IS & ME	THOD		D. HNO ₃	4. 250 n	nL Plastic			
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H		Collec	ction	Tv	pe										50 ≈ Soil	NL= NAPL/OII	SW = Surface			
l	Sample ID	Date	Time	-	•	Matrix		PCB							REMARKS					
Vī	T-63	5/24/10		Comp	X	Wipe		X												
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LaJ	b Name:	Cooler Cu	istody Se	ai		Printed Na	ame:				Printed Nar	ne:			Printed Name:	_				
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83	Cooler packed with ice (✓)	□ Intact	t	□ Not	Intact	Signature:					Signature:				Signature:	111/1/				
Sp	ecify Turnaround Requirements:	Sample R	eceipt:		··········	Firm; ARC	ADIS				Firm:				Fifm:					
Ru		A22 W										····-		·····	KAR					
Fe	d-Ex Tracking #:	Condition	iGooj e r T	emp:		Date/Time 5/25/10 08					Date/Time:				Date/Time: 5/25/	10 081	(0)			
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Phone 269 381-9666

Fax 269 381-9698

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ARCADIS of New York, Inc. 10 S. Riverside, Suite 1900 Chicago, IL 60606

Attn: Mr. Eric Hritsuk

KAR Project No.: **Date Reported:**

104111

10/04/10

Date Activated:

10/04/10

Date Due:

10/04/10

Date Validated:

10/04/10

Project

Description: Analysis of two wipe samples from Plainwell Dam

(#B0064536.0001.00002)

Dear Client.

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received. If a sample was identified as drinking water under the Safe Drinking Water Act, the "Comments" column may also contain federal drinking water information including MCL which is the Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

If you wish to contact us about this work please mention KAR Project No. 104111. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted.

David R. Alkema

Laboratory Manager

LABORATORY DETAIL REPORT

Client: ARCADIS of New York, Inc.

KAR Project No.: 104111

Date Reported:

10/04/10

Attest: Waved K. Uk

David R. Alkema, Lab Manager

Project

Description: Analysis of two wipe samples from Plainwell Dam (#B0064536.0001.00002)

Sample ID: "VT-R43(100110)"

Sampled By: MK of ARCADIS of New York, Inc.

Sample Date: 10/01/10

Sample Time: 1245

Date Received : Sample Type:

10/04/10

wipe

KAR Sample No.:

104111-01

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3580	10/04/10	GMB	
PCB	See below		EPA 8082	10/04/10	GMB	
PCB Aroclor 1016	<0.1	ug/100 sq. cm.	EPA 8082	10/04/10	GMB	
PCB Aroclor 1221	<0.1	ug/100 sq. cm.	EPA 8082	10/04/10	GMB	No. 10 10 10 10 10 10 10 10 10 10 10 10 10
PCB Aroclor 1232	<0.1	ug/100 sq. cm.	EPA 8082	10/04/10	GMB	
PCB Aroclor 1242	<0.1	ug/100 sq. cm.	EPA 8082	10/04/10	GMB	
PCB Aroclor 1248	<0.1	ug/100 sq. cm.	EPA 8082	10/04/10	GMB	
PCB Aroclor 1254	<0.1	ug/100 sq. cm.	EPA 8082	10/04/10	GMB	
PCB Aroclor 1260	<0.1	ug/100 sq. cm.	EPA 8082	10/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	10/04/10	GMB	
DCB (pest/PCB surr spk)	50	% spike recovery	EPA 8082	10/04/10	GMB	
TCMX (surr spk)	60	% spike recovery	EPA 8082	10/04/10	GMB	

Sample ID: "VT-67(100210)"

Sampled By: MK of ARCADIS of New York, Inc.

Sample Date : 10/02/10

Sample Time: 1230

Date Received :

10/04/10

Sample Type :

wipe

KAR Sample No.:

104111-02

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3580	10/04/10	GMB	
PCB	See below		EPA 8082	10/04/10	GMB	77. A.A.W. (1.1. A.W.
PCB Aroclor 1016	<0.1	ug/100 sq. cm.	EPA 8082	10/04/10	GMB	
PCB Aroclor 1221	<0.1	ug/100 sq. cm.	EPA 8082	10/04/10	GMB	
PCB Aroclor 1232	<0.1	ug/100 sg. cm.	EPA 8082	10/04/10	GMB	
PCB Aroclor 1242	<0.1	ug/100 sq. cm.	EPA 8082	10/04/10	GMB	
PCB Aroclor 1248	<0.1	ug/100 sq. cm.	EPA 8082	10/04/10	GMB	
PCB Aroclor 1254	<0.1	ug/100 sq. cm.	EPA 8082	10/04/10	GMB	
PCB Aroclor 1260	<0.1	ug/100 sq. cm.	EPA 8082	10/04/10	GMB	
PCB Aroclors, total	NA .		EPA 8082	10/04/10	GMB	
DCB (pest/PCB surr spk)	54	% spike recovery	EPA 8082	10/04/10	GMB	
TCMX (surr spk)	61	% spike recovery	EPA 8082	10/04/10	GMB	

KAR Laboratories, Inc.

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(269) 381-9666

Page 1 of 2

LABORATORY DETAIL REPORT

Client: ARCADIS of New York, Inc.

KAR Project No.: 104111

Date Reported:

10/04/10

Attest: Vacid R. M.

Project

Description: Analysis of two wipe samples from Plainwell Dam (#B0064536.0001.00002)

Laboratory Method Blank Sample ID:

Date Received :

10/04/10

Sampled By: Sample Date: Sample Time:

Sample Type:

LMB

KAR Sample No.: 104111-03

Cample Time .		IVAI	i campie No.	. 104111-03		
Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3580	10/04/10	GMB	
PCB	See below		EPA 8082	10/04/10	GMB	
PCB Aroclor 1016	<0.1	ug/100 sq. cm.	EPA 8082	10/04/10	GMB	
PCB Aroclor 1221	<0.1	ug/100 sq. cm.	EPA 8082	10/04/10	GMB	
PCB Aroclor 1232	<0.1	ug/100 sq. cm.	EPA 8082	10/04/10	GMB	
PCB Aroclor 1242	<0.1	ug/100 sg. cm.	EPA 8082	10/04/10	GMB	
PCB Aroclor 1248	<0.1	ug/100 sq. cm.	EPA 8082	10/04/10	GMB	
PCB Aroclor 1254	<0.1	ug/100 sq. cm.	EPA 8082	10/04/10	GMB	
PCB Aroclor 1260	<0.1	ug/100 sq. cm.	EPA 8082	10/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	10/04/10	GMB	
DCB (pest/PCB surr spk)	53	% spike recovery	EPA 8082	10/04/10	GMB	
TCMX (surr spk)	59	% spike recovery	EPA 8082	10/04/10	GMB	

Chicago, IL 60606

Attn: Mr. Eric Hritsuk

ARCADIS of New York. Inc.

10 S. Riverside, Suite 1900



4425 Manchester Road Kalamazoo, MI 49001 Phone 269 381-9666

Fax 269 381-9698

www.karlabs.com

Proiect

Description: Analysis of two wipe samples from Plainwell Dam

104111

10/04/10

10/04/10

10/04/10

10/04/10

KAR Project No.:

Date Reported:

Date Activated:

Date Validated:

Date Due:

(#B0064536.0001.00002)

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 104111. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received. If a sample was identified as drinking water under the Safe Drinking Water Act, the "Comments" column may also contain federal drinking water information including MCL which is the Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema

Laboratory Manager

Client: ARCADIS of New York, Inc.

KAR Project No.:

104111

Date Reported:

10/04/10

Attest:

David R. Alkema, Lab Manager

Project Description: Analysis of two wipe samples from Plainwell Dam (#B0064536.0001.00002)

"VT-R43(100110)" Sample ID:

MK of ARCADIS of New York, Inc. Sampled By:

Date Sampled: 10/01/10

Sample Type: Wipe

Date Received: 10/04/10

Time Campled : 1245

Sample No ·

104111-01

Date Received: 10/				ııme	Sample	20:124	Ð		Sample No. : 104111-01					
Test	Result	Spike Level	MS %Rec	MSD %Rec	RPD	Dup. #1	Dup. #2	RPD	QC L Rec. Rang		Method	Analyzed On By	QC Batch	Comments
DCB (pest/PCB surr spk)	50 % spike recovery								25-122	NA	EPA 8082	10/04/10 GMB		
PCB	See below										EPA 8082	10/04/10 GMB		
PCB Aroclor 1016	<0.1 ug/100 sq. cm.								29-135	25	EPA 8082	10/04/10 GMB		
PCB Aroclor 1221	<0.1 ug/100 sq. cm.										EPA 8082	10/04/10 GMB		
PCB Aroclor 1232	<0.1 ug/100 sq. cm.										EPA 8082	10/04/10 GMB		
PC8 Aroclor 1242	<0,1 ug/100 sq. cm.								24-133	51	EPA 8082	10/04/10 GMB	1	
PCS Aroclor 1248	<0.1 ug/100 sq. cm.								57-116	46	EPA 8082	10/04/10 GMB		
PCB Aroclor 1254	<0.1 ug/100 sq. cm.									42	EPA 8082	10/04/10 GMB		
PC8 Aroclor 1260	<0.1 ug/100 sq. cm.								29-135	25	EPA 8082	10/04/10 GMB		
PCB Arodors, total	NA NA								27-155	15	EPA 8082	10/04/10 GMB	,	
Prep, ECD	Completed								1.		EPA 3580	10/04/10 GMB	:	
TCMX (surr spk)	60 % spike recovery				· · · · · · · · · · · · · · · · · · ·				22-95	NA	EPA 8082	10/04/10 GMB		The second secon

Client: ARCADIS of New York, Inc.

KAR Project No.:

104111

Attest:

Date Reported:

10/04/10

Project Description: Analysis of two wipe samples from Plainwell Dam (#B0064536.0001.00002)

"VT-67(100210)" Sample ID:

Sampled By:	MK of ARCADIS of New	York, Inc.	Date Sa	ampled: 10	/02/10				Sample Typ	e: <i>wipe</i>
Date Received :	10/04/10		Time S	ampled : 12	30				Sample No.	: 104111-02
Test	Result	Spike MS MS Level %Rec. %R	D RPD ec.	Dup. Dup #1 #2	. RPD	QC Limits Rec. Range RPE	Method	Analyzed On By	QC Batch	Comments
DCB (pest/PCB surr spk)	54 % spike recovery					25-122 NA	EPA 8082	10/04/10 GMB		
PCB	See below					:	EPA 8082	10/04/10 GMB		
PCB Arocior 1016	<0.1 ug/100 sq. cm.	0.5 91.3 % 84.5	% 7.7 %			29-135 25	EPA 8082	10/04/10 GMB	101004PW8	
PCB Aroclor 1221	<0.1 ug/100 sq. cm.	1				1	EPA 8082	10/04/10 GMB	ĺ	
PC8 Aroclor 1232	<0,1 ug/100 sq. cm.						EPA 8082	10/04/10 GMB		
PCB Aroclor 1242	<0.1 ug/100 sq. cm.		-			24-133 51	EPA 8082	10/04/10 GM8		
PCS Aroclor 1248	<0.1 ug/100 sq. cm.					57-116 46	EPA 8082	10/04/10 GMB		
PCB Arccior 1254	<0.1 ug/100 sq. cm.	:				42	EPA 8082	10/04/10 GMB		
PCB Arccior 1260	<0.1 ug/100 sq. cm.	0.5 82.5 % 80.6	% 2.3 %			29-135 25	EPA 8082	10/04/10 GMB	101004PW8	
PCB Arcclors, total	NA .					27-155 15	EPA 8082	10/04/10 GMB		
Prep, ECO	Completed						EPA 3580	10/04/10 GMB	}	
TCMX (surr spk)	61 % spike recovery					22-95 NA	EPA 8082	10/04/10 GMB		

Client: ARCADIS of New York, Inc.

KAR Project No.:

104111

Attest:

Date Reported :

10/04/10

David R. Alkema, Lab Manager

Project Description: Analysis of two wipe samples from Plainwell Dam (#B0064536.0001.00002)

Sample ID: Laboratory Method Blank

Sampled By: Date Sampled: Sample Type: LMB

ounspice by .					Ou,po.										***************************************	
Date Received: 10/04/10		Time Sampled :										Sample No. : 104111-03				
Test	Result	Spike Level	MS %Rec.	MSD RPD %Rec.	Dup. #1	Dup. #2	RPD	QC Lii Rec. Rang		Method	Analy On	zed By	QC Batch		Comments	
DCB (pest/PCB surr spk)	53 % spike recovery	,					***************************************	25-121	NA	EPA 8082	10/04/10	GMB				
PCB	See below									EPA 8082	10/04/10	GMB				
PCB Aroclor 1016	<0.1 ug/100 sq. cm.							29-135	25	EPA 8082	10/04/10	GMB				
PCB Aractor 1221	<0.1 ug/100 sq. cm.									EPA 8082	10/04/10	GMB	!			
PCB Aroclor 1232	<0.1 ug/100 sq. cm.	,								EPA 8082	10/04/10	GMB				
PCB Aroclor 1242	<0.1 ug/100 sq. cm.	1						12-113	5	EPA 8082	10/04/10	GMB				
PCB Aroclor 1248	<0.1 ug/100 sq. cm.							57-74	6	EPA 8082	10/04/10	GMB	!	:		
PCB Aroclor 1254	<0.1 ug/100 sq. cm.				2.7.				10	EPA 8082	10/04/10	GMB				
PCB Aroclor 1260	<0.1 ug/100 sq. cm.							29-135	25	EPA 8082	10/04/10	GMB				
PCB Aroctors, total	NA NA	1						16-128		EPA 8082	10/04/10	GMB	1			
Prep, ECO	Completed	,								EPA 3580	10/04/10	GMB				
TCMX (surr spk)	59 % spike recovery				,,			23-100	NA	EPA 8082	10/04/10	GMB				

BATCH QC REPORT

Printed: 03:39:13 PM, 10/04/10

Test	QC Batch			pike onc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIA Rec. Range	MITS RPD	Sample No.
PCB Aroclor 1016 PCB Aroclor 1260	101004PW8 101004PW8	10/04/10 10/04/10	0	0.5 0.5	0.4565 0.4126	91.3 ° 82.5 °	-	84.5 % 80.6 %	7.7 % 2.3 %				29-135 29-135	25 25	104111-02 104111-02

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

KAR Laboratories, Inc.

(269) 381-9666 QC Batch Report Page 1 of 1

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Received.	The the Thirt and

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID:	092409.	1

			21.00									_									
Contact & Company Name:	Telephone:				Prosenative	F	***						KEYS								
Eric Hritsuk	312-575-3	732			Fitnes (7)							Preservation Key:	Container Information Key:								
Address:	Fax:	.,/***			s of Cortoners	1						A. H ₂ SO ₆	1. 40 mL VOA								
₩ 10 S. Riverside Plaza	312-775-9	322			Cortainer information	7						B.HCL C.NaOH	2.1 L Amber 3. 125 mL Plastic								
City State Zip	E-mail Address:						PARAMET	ER ANALYS	SIS & ME	THOD		D. HNO3	4. 250 mL Plastic								
் Chicago IL, 60606	enc hrásukó).	ì		100 E. F. S. F. S. F. S. F.					1	l	E. None F.Hexane	5. 500 mL Plastic 6. 1 L Plastic									
Project Name/Location (City, State):	Project #:										roject#:		1						ŀ	G. H.	7. 2 az. Glass 8. 4 az. Glass
Plainwell Dam No. 2 Area TCRA Mi	B0064536,0001.00002				•						Į	n.	9. 8 oz. Glass								
Sampler's Printed Name:	Sampler's Si	gnature:			1]					Matrix Key:	10.								
Mike Kohagen												SE≃ Sediment A	= Air SL = Sludge L = NAPL / Oil SW = Surface								
Sample ID	Ole ID Collection Type Matr		Matrix		PCB						REMARKS										
VT-R43(100110)	10/1/10	1245	X	sw		X															
VT-67(100210)	10/2/10	1230	Х	sw		Х															
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Kar				Mike Koh	agen							Sandro	Ments _								
☑ Cooler packed with ice ()</td <td>□ Intact</td> <td></td> <td>Not Intact</td> <td>Signature</td> <td></td> <td></td> <td></td> <td>Signature:</td> <td></td> <td></td> <td></td> <td>Signature)</td> <td>mt</td>	□ Intact		Not Intact	Signature				Signature:				Signature)	mt								
Specify Turnaround Requirements: Rush	Sample Rec		Firm: AR	CADIS 🥕			Firm:			****	Firm:										
Fed-Ex Tracking #.	Condition/Co	ooler Temp:		Date/Tim	e:	Date/Time:						Date/Time:	04/10								
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